

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
 1249-0077

SERIAL NO.

Robert K. Howie, Jr.

FILING

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,811,175	9/98	Howie, Jr.			
	5,702,078	12/97	Shaw			
	5,688,461	11/97	Howie, Jr.			
	5,669,104	9/97	Howie, Jr.			
	5,636,589	6/97	Kato et al.			
	5,536,543	7/96	Papandreou			
	5,514,319	5/96	Young			
	5,512,718	4/96	Larose			
	5,477,430	12/95	LaRose			
	5,477,024	12/95	Share et al.			
	5,469,758	11/95	Howie, Jr.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	EP 0 498960 A1	12/91	EPO			✓	
	DE 26 36 920 A	2/78	Germany			✓	
	1,561,972	3/80	United Kingdom			✓	
	2,253,898A	9/92	United Kingdom			✓	
	2,253,996A	9/92	United Kingdom			✓	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>	

INFORMATION DISCLOSURE CITATION
 (Use several sheets if necessary)

ATTY DOCKET NO.
 1249-0077

SERIAL NO.

Robert K. Howie, Jr.

FILING

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,464,578	11/95	Salter et al.			
	5,450,653	9/95	Howie, Jr.			
	5,407,721	4/95	Fujigaki et al.			
	5,376,314	12/94	Share et al.			
	5,303,612	4/94	Odom et al.			
	5,252,798	10/93	Kamada			
	5,197,161	3/93	Howie, Jr.			
	5,159,892	11/92	Hara et al.			
	5,098,633	3/92	Hausler			
	5,095,409	3/92	Dematteo et al.			
	5,093,764	3/92	Hasegawa et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
 (Use several sheets if necessary)

ATTY DOCKET NO.
 1249-0077

SERIAL NO.

Robert K. Howie, Jr.

FILING

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,923,325	5/90	Howie, Jr.			
	4,760,752	8/88	Wield et al.			
	4,751,038	6/88	Schlueter et al.			
	4,603,065	7/86	Mori et al.			
	4,441,230	4/84	Howie, Jr.			
	4,395,817	8/83	Asada et al.			
	4,179,771	12/79	Rankins et al.			
	4,165,659	8/79	Fawley			
	4,155,972	5/79	Hauser et al.			
	4,094,210	6/78	Wirtz et al.			
	3,880,536	4/75	Petrus			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

ATTY DOCKET NO.
 1249-0077

SERIAL NO.

Robert K. Howie, Jr.

FILING

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,679,252	7/72	Howie, Jr.			
	3,619,594	11/71	Morez			
	3,549,733	12/70	Caddell			
	3,514,366	5/70	Allport			
	3,468,020	9/69	Carlson et al.			
	3,163,739	12/64	Hutt			
	2,565,803	8/51	Danielson et al.			
	2,425,611	8/47	Frost et al.			
	2,193,586	3/40	Fischett			
	2,185,492	1/40	Barrett			
	2,071,147	2/37	Watson			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional)

1249-0077

Application Number

Applicant(s)

Robert K. Howie, Jr.

Filing Date

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,499,191	12/02	Howie, Jr.			
		6,391,243	5/02	Howie, Jr.			
		6,136,248	10/00	Howie, Jr.			
		6,003,206	12/99	Hall et al.			
		5,845,365	12/98	Howie, Jr.			
		5,752,759	5/98	Pizzo			
		5,641,556	6/97	Howie, Jr.			
		5,359,165	10/94	Leveque et al.			
		5,040,479	8/91	Thrash			
		4,536,116	8/85	Murray			
		3,543,329	1/69	Gulette et al.			

FOREIGN PATENT DOCUMENTS

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.